

WHAT IS CLAIMED IS:

1. An electronic devive, comprising:

a unitary housing having:

opposed first and second sides;

a closed first end;

an open second end;

an interior chamber collectively defined by the first and second sides and the first end; and

a window disposed within the second side and communicating with the interior chamber;

a substrate having a plurality of contacts, the substrate being disposed within the interior chamber and attached to the case such that the contacts are exposed within the window.

2. The device of Claim 1 wherein the substrate comprises a lan grid array substrate.

3. The device of Claim 1 wherein the substrate is attached to the case through the use of an adhesive.

4. The device of Claim 1 wherein the case further includes an elongate slot which is disposed in the first side and extends along a portion of the second end.

5. The device of Claim 4 wherein the case and the substrate are sized relative to each other such that the substrate does not protrude from the second end of the case, and a portion of the substrate is exposed in the slot of the case.

6. The device of Claim 1 wherein:

the substrate has a generally quadrangular configuration and a maximum substrate width; and

the interior chamber has a tapered configuration and is of a first chamber width at the second end which exceeds the substrate width, and a second chamber width at the first end which is less than the first chamber width.

7. A device, comprising:

a case having:

opposed first and second sides;

a closed first end;

an open second end;
an interior chamber collectively defined by the first and second sides and the first end; and
a window disposed within the second side and communicating with the interior chamber;
a substrate having a plurality of contacts, the substrate being disposed within the interior chamber and attached to the case such that the contacts are exposed within the window; and
a spacer disposed within the interior chamber and attached to the case, the spacer being cooperatively engaged to the substrate.

8. The device of Claim 7 wherein the substrate comprises a lan grid array substrate.
9. The device of Claim 7 wherein the substrate and the spacer are each attached to the case through the use of an adhesive.
10. The device of Claim 7 wherein the case further includes an elongate slot which is disposed in the first side and extends along a portion of the second end.
11. The device of Claim 10 wherein the case, the substrate, and the spacer are sized relative to each other such that neither the substrate or the spacer protrudes from the second end of the case, and a portion of the spacer is exposed in the slot of the case.
12. The device of Claim 11 wherein the spacer includes a nail edge portion which is exposed in the slot.
13. The device of Claim 7 wherein:
 - the substrate has a generally quadrangular configuration and a maximum substrate width;
 - the spacer has a generally quadrangular configuration and a maximum spacer width; and
 - the interior chamber has a tapered configuration and is of a first chamber width at the second end which exceeds the substrate width and the spacer width, and a second chamber width at the first end which is less than the first chamber width.
14. The device of Claim 7 wherein the housing is a unitary structure.
15. An electronic device, comprising:
 - a case having:

opposed first and second sides;
a closed first end;
an open second end;
an interior chamber collectively defined by the first and second sides and the first end; and

a window disposed within the second side and communicating with the interior chamber;

a substrate having a plurality of contacts, the substrate being disposed within the interior chamber such that the contacts contacts are exposed within the window; and

a spring clip disposed within the interior chamber and cooperatively engaged to both the substrate and the case, the spring clip being operative to maintain the substrate in a prescribed position within the interior chamber when cooperatively engaged to the case.

16. The device of Claim 15 wherein the substrate comprises a lan grid array substrate.

17. The device of Claim 15 wherein the case further includes an elongate slot which is disposed in the first side and extends along a portion of the second end.

18. The device of Claim 17 wherein the case, the substrate and the spring clip are sized relative to each other such that neither the substrate or the spring clip protrude from the second end of the case and a portion of the spring clip is exposed in the slot of the case.

19. The device of Claim 18 wherein the spring clip includes a nail edge portion which is exposed in the slot.

20. The device of Claim 15 wherein:

the substrate has a generally quadrangular configuration and a maximum substrate width; and

the interior chamber has a tapered configuration and is of a first chamber width at the second end which exceeds the substrate width and a second chamber width at the first end which is less than the first chamber width.

21. The device of Claim 20 wherein:

the case includes an opposed pair of notches which each communicate with the interior chamber; and

the spring clip includes an opposed pair of resilient engagement arms which are partially insertable into respective ones of the notches when the spring clip is advanced into the interior chamber.

22. The device of Claim 21 wherein the spring clip further comprises a resilient biasing member which is sized and configured to apply compressive pressure to the substrate when the engagement arms are inserted into respective ones of the notches.

23. The device of Claim 15 wherein the case is a unitary structure.